

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LAHONTAN REGION

MONITORING AND REPORTING PROGRAM NO. R6T-2004-0015

**GENERAL ORDER FOR LAND DISPOSAL
OF TREATED GROUND WATER, LAHONTAN REGION**

I. MONITORING

The Information to Support Discharge of Treated Ground Water to Land requires the submittal of laboratory analytical data from ground water samples collected from ground water monitoring wells within the ground water pollution plume. Based on these analysis, the complete Report of Waste Discharge (RWD) shall indicate all constituents of concern (COCs) that will be treated by the ground water treatment system.

The following Influent, Effluent, and Receiving Water Monitoring schedules detail sampling frequency. Constituents to be analyzed will be listed in the Notice Of Applicability (NOA). The frequency of sampling or number of parameters analyzed may be reduced if the Discharger provides justification to the Executive Officer that such a reduction is warranted. Under certain adverse conditions, more frequent sampling is required if it is appropriate. An adverse condition is defined as any problem which does or could affect treatment facility efficiency. If at any time the system is shut down for a continuous time period greater than 60 days, the following influent and effluent monitoring programs must be reinitiated unless otherwise specifically approved by the Executive Officer.

A. Treatment Facility Startup Monitoring

Prior to disposal of any treatment plant effluent, the Discharger shall conduct startup monitoring to confirm that the plant will produce effluent that complies with standards prescribed in the Waste Discharge Requirements (WDRs). During startup monitoring, the Discharger shall direct the effluent to a temporary, impervious storage container. Startup monitoring shall be conducted until two consistent, consecutive sample results indicate system stability and compliance with the Order. Samples shall be taken a minimum of twelve hours apart and a maximum of 72 hours apart. Only treatment plant effluent is required to be analyzed during startup monitoring. Effluent that does not meet the Discharge Specifications for effluent shall not be discharged to land.

B. Treatment Facility Flow Monitoring

The following information shall be recorded in a permanent log book:

1. The total volume, in gallons, of wastewater flow to the treatment facility for each day.

2. The total volume, in gallons, of wastewater flow to the treatment facility for each month.
3. The average flow rate, in gallons per day, of wastewater to the treatment facility calculated for each month.
4. The total volume, in gallons, of wastewater flow to the disposal facility(ies) for each month.
5. If applicable, the freeboard (distance from the top of the lowest part of the dike to the wastewater surface in the pond) shall be measured each month in each pond. If a pond does not contain wastewater, indicate that it is empty.
6. The treatment system non-operation time in hours of each non-operation period and in total hours of non-operation during the reporting period.

II. TREATMENT FACILITY INFLUENT MONITORING

The purpose of the influent monitoring is to verify the efficiency of the treatment system. Influent samples shall be collected after the last connection before the waste enters the treatment process. Influent samples should be representative of the volume and nature of the influent. Time of collection of a grab sample shall be recorded. Specific constituents to be monitored shall be named in the NOA.

The minimum frequency of sampling shall be as follows:

- A. During the first two months of treatment operation, samples shall be collected on the 1st, 4th, 14th, 28th, and 56th days of operation.
- B. During the third to sixth month, the sampling shall be every 30 days.
- C. Thereafter, the sampling frequency shall be every 90 days.

III. TREATMENT FACILITY EFFLUENT MONITORING

Effluent samples shall be collected after the last connection through which wastes can be admitted into the discharge. Effluent samples should be representative of the volume and nature of the discharge. Time of collection of a grab sample shall be recorded. The sampling parameters and frequency shall be the same as described in Item II, above.

IV. RECEIVING WATER MONITORING

The complete RWD shall demonstrate the existing ground water quality in the area of the proposed wastewater disposal location(s), and shall include a list of proposed ground water monitoring wells to be sampled during the project.

These wells shall be located so as to monitor both the hydrologic and ground water quality impacts of the Discharge. An approved list of monitoring wells will be listed in the NOA. Constituents and parameters to be analyzed in ground water samples will be listed in the NOA. Sampling frequency shall be outlined in the NOA.

V. REPORTING

A. General Provisions

The Discharger shall comply with the "General Provisions for Monitoring and Reporting", dated September 1, 1994, which is made part of this Monitoring and Reporting Program (Attachment 1).

B. Submittal Periods

Quarterly monitoring reports shall be submitted to the Regional Board by the fifteenth (15th) day of January, April, July and October of each year. These reports shall contain the following information in addition to what is required in the General Provisions for Monitoring and Reporting.

- a. All water quality monitoring data from the previous three month period.
- b. A map or aerial photograph showing the locations of monitoring wells in the receiving water monitoring program.
- c. Ground water elevations for all wells utilized in the receiving water monitoring program.

C. In reporting the monitoring data, the Discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized in such a manner to illustrate clearly the compliance with WDRs. The Discharger shall report all periods of non-operation.

D. The Discharger shall submit a report to the Regional Board by the thirtieth (30) of January of each year. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the Discharger shall discuss the compliance record and the corrective actions

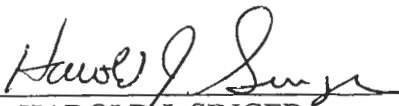
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taken or planned which may be needed to bring the discharge into full compliance with the WDRs. This report may be combined with the fourth quarterly report or submitted under separate cover.

- E. The Discharger shall implement the above monitoring program immediately upon the commencement of the initial discharge covered by the general Order. This Monitoring and Reporting Program may be modified by the Executive Officer for individual discharges.

Ordered by: 
HAROLD J. SINGER
EXECUTIVE OFFICER

Dated: May 12, 2004

Attachments: 1. General Provisions for Monitoring and Reporting

BTW/cgT: GenPermit.MRP.Treated Groundwater.update.2004